MULTIMEDIA UNIVERSITY

STUDENT ID NO

MULTIMEDIA UNIVERSITY

FINAL EXAMINATION

TRIMESTER 1, 2016/2017

MSD7333 –DATABASE SYSTEM AND SYSTEM ANALYSIS

(All sections / Groups)

10 OCTOBER 2015
5.00 p.m. – 7.00 p.m.
(2 Hours)

INSTRUCTIONS TO STUDENTS

1.This Question paper consists of 2 pages including cover page with 5 Questions only.

2. Answer **FOUR** out of **FIVE** questions. All questions carry equal marks and the distribution of the marks for each question is given.

3. Please print all your answers in the answer Booklet provided.

QUESTION 1

Suppose that you are a database administrator of a hospital. You plan to integrate a Recommender System with the existing database. Provide a proposal to justify your plan.

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[10 marks]

QUESTION 2

Suppose that you are responsible to plan and implement a new object-oriented database. Describe the database life cycle for the whole process.

[10 marks]

QUESTION 3

Explain briefly each of the following concepts:

(a) Data mining clustering technique

(b) Entity integrity

(c) Snapshot replication

(d) Merge log

(e) Hybrid Online Analytical Processing (HOLAP)

[10 marks]

QUESTION 4

Discuss the importance of robustness in database design. In your opinion, how to achieve the goal of a robust database?

[10 marks]

QUESTION 5

There are always challenges in database management. Identify and elaborate on any five challenges in managing a poorly integrated database system.

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[10 marks]

End of Paper.